

B. Keith Taber Vice President Vogtle Units 1-2 7821 River RD Waynesboro GA, 30830 706-848-0004 tel 706-848-3321 fax

MAY 2 8 2019

Docket No: 50-425 NL-19-0552

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555-0001

Vogtle Electric Generating Plant – Unit 2
Licensee Event Report 2019-001-00
Spurious Closure of Main Steam Isolation Valve results in Manual Reactor Trip

Ladies and Gentlemen:

In accordance with the requirements of 10 CFR 50.73(a)(2)(iv)(A), Southern Nuclear Operating Company is submitting the enclosed Licensee Event Report, 2019-001-00 for Vogtle Electric Generating Plant Unit 2. This letter contains no NRC commitments. If you have any questions, please contact Matthew Horn at (706) 848-1544.

Respectfully submitted,

B. Keith Taber Vice President Vogtle 1&2

BKT/KCW

Enclosure: Unit 2 Licensee Event Report 2019-001-00

Cc: Regional Administrator

NRR Project Manager – Vogtle 1 & 2 Senior Resident Inspector – Vogtle 1 & 2

RType: CVC7000

Vogtle Electric Generating Plant – Unit 2 Licensee Event Report 2019-001-00 Spurious Closure of Main Steam Isolation Valve results in Manual Reactor Trip

Enclosure

Unit 2 Licensee Event Report 2019-001-00

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0104

EXPIRES: 03/31/2020



LICENSEE EVENT REPORT (LER)

Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail

S. M.S.	()	See NURE	3-1022, R	equired numb .3 for instruct v/reading-m/o	ion and g	uidance for c	ompleting	g this form	to Infocollects.Resour Regulatory Affairs, I Washington, DC 2050 display a currently vali person is not required	VEOB-10202, (3150-0)3. If a means used d OMB control number	104), Office of to impose an inf r, the NRC may n	Management formation col	nt and Budget, lection does not	
l. Facility Name Vogtle Electric Generating Plant, Unit 2									. Docket Numbe 05000425	3. Page	3. Page 1 OF 2			
4. Title Spurie	ous C	losure (of Mai	n Steam	Isolat	tion Valv	re res	ults in l	Manual Rea	ctor Trip				
5. Event Date 6. LER Number 7. Report D					ate									
		Year		Sequential Number	Per		Day	Year	Facility Name			Docket Number		
Month	Day		Year		Rev No.	Month			N/A		C	5000		
02	20	2010	2040	004	00	1			Facility Name			Docket Number		
03	30	2019	2019	- 001	- 00	05	28	2019	N/A			5000		
9.0	Operating I	Viode			11. This	Report is Su	bmitted I	Pursuant to	the Requirements	of 10 CFR 5: (Ch	eck all that app	oly)		
4			20.2	2201(b)		20.2203	(a)(3)(i)		50.73(a)(2)	(ii)(A)	50.73	(a)(2)(viii)	(A)	
1			20.2201(d)			20.2203(a)(3)(ii)			☐ 50.73(a)(2)(ii)(B)		50.73	☐ 50.73(a)(2)(viii)(B)		
			20.2203(a)(1)			20.2203(a)(4)			50.73(a)(2)(iii)			(a)(2)(ix)(
			20.2203(a)(1)			☐ 50.36(c)(1)(i)(A)			⊠ 50.73(a)(2)(iv)(A)			□ 50.73(a)(2)(x)		
10	. Power L	evel	20.2203(a)(2)(ii)			☐ 50.36(c)(1)(ii)(A)			☐ 50.73(a)(2)(v)(A)			73.71(a)(4)		
IV. I OWEI LOVEI					_	50.36(c)(2)			50.73(a)(2)(v)(B)			73.71(a)(5)		
030			20.2203(a)(2)(iii) 20.2203(a)(2)(iv)			50.46(a)(3)(ii)			50.73(a)(2)(v)(C)			73.77(a)(1)		
			20.2203(a)(2)(v)			50.73(a)(2)(i)(A)			50.73(a)(2)(v)(D)			☐ 73.77(a)(2)(ii)		
						50.73(a)(2)(i)(B)			50.73(a)(2)(vii)			73.77(a)(2)(iii)		
						50.73(a)(2)(i)(C)			Other (Specify in Abstract below or in N					
								ontact for						
icensee Co	ntact	-				12. 2.0				Telephone	Number (Include	Area Code)		
ogtle l	Electric	Genera	ting Pla	nt, Matth	ew Hor	n, Regula	atory A	ffairs Ma	nager	706-84	8-1544			
				13. Co	omplete C	One Line for o	each Con	nponent Fai	iture Described in 1	his Report				
Cau	ise	System	Compo	onent Mar	nufacturer	Reportable	To ICES	Cause	System	Component	Manufacture	er Repo	rtable To ICES	
В	3	SB	RL	Υ .	Г351	Y		N/A						
	14.	Suppleme	ental Report Expected						15. Expected Submission Date			Day	Year	
	Yes (If v	es. comple	ate 15. Expected Submission Date) No					15.				N/A	N/A	
On Mar Main Si SG) le nserted he stea Due to he Aux	rch 30, team Is vels ar d into t am dur the ma kiliary F	2019 at solation of pression o	2130, valves ures. Tauxiliar into the uation er Syste	(MSIV) fa The unit way feedwate the condense of system this eled as designed	t 2 was alled closers man er was ser. The ser lister	in Mode osed une nually trip started, a ne plant v d in 10 Cl reportab	1 and xpecte ped. And decovars state FR 50.	edly. This All system ay heat in abilized in 73(a)(2)(er 10 CF	ent power, ex s resulted in a ms responded was removed n Mode 3. (iv)(B), specifi R 50.73(a)(2 ects on the he	in inability to d as designed through the cally the Rea (iv)(A).	maintain S i. All contr main steam ctor Protec	team G ol rods i lines t ction Sy	enerator fully hrough stem and	

NRC FORM 366A

U.S. NUCLEAR REGULATORY COMMISSION

IMISSION APPROVED BY OMB: NO. 3150-0104

EXPIRES: 3/31/2020

CONTINUATION SHEET

(See NUREG-1022, R.3 for instruction and guidance for completing this form http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1022/r3/) Estimated burden per response to comply with this mandatory collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Information Services Branch (T-2 F43), U. S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollects Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

1. FACILITY NAME	2. DOCKET NUMBER		3. LER NUMBER	
Vogtle Electric Generating Plant, Unit 2	05000425	YEAR	SEQUENTIAL NUMBER	REV NO
		2019	- 001	- 00

NARRATIVE

A. Event Description

On March 30, 2019 at 2130, while Unit 2 was operating in Mode 1 at 30 percent power, exiting a refueling outage, when the number 4 Main Steam Isolation Valve (MSIV) unexpectedly closed due to the failure of a control relay coil. The control relay had been recently installed and passed its post-maintenance testing and had been energized for several days prior to the failure, which is its normal operating state. The operating crew attempted to reopen the valve, but this was unsuccessful. Because they were unable to reopen the valve, the operating crew initiated a manual reactor trip. This resulted in a manual actuation of the Reactor Protection System and actuation of the Auxiliary Feedwater System. All systems responded as expected. The control rods fully inserted into the core, auxiliary feedwater was started, and decay heat was removed through the main steam lines, through the steam dumps, and into the condenser.

Because of the manual actuation of the Reactor Protection System and the Auxiliary Feedwater System, which are systems listed in 10 CFR 50.73(a)(2)(iv)(B), this event is reportable under 10 CFR 50.73(a)(2)(iv)(A).

B. Cause of Event

The cause of the event was a failure of a control relay coil due to infant mortality.

C. Safety Assessment

The safety significance of this event is very low. When the reactor was tripped, all systems responded as designed. All control rods fully inserted into the core, auxiliary feedwater was started, and decay heat was removed through the main steam lines and into the condenser.

There were no adverse effects to the health and safety of the public.

D. Corrective Actions

The relay was replaced with another relay from a different manufacturing batch.

E. Previous Similar Events

None